

WE CLAIM:

1. A sewing machine comprising:

5 a cylinder bed extending in a predetermined direction and
accommodating a shuttle and a shuttle shaft for driving the
shuttle;

a cloth holding frame for holding a work cloth;

a moving member for supporting the cloth holding frame, the
moving member being guided by the shuttle shaft so as to be moved
10 in the predetermined direction; and

a moving member driving unit for driving the moving member
in the predetermined direction.

2. A sewing machine according to claim 1, wherein the cloth
15 holding frame is pivotally mounted on the moving member.

3. A sewing machine according to claim 2, further comprising
a rotation limiting member for limiting rotation of the moving
member relative to the shuttle shaft.

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4. A sewing machine according to claim 3, wherein the rotation
limiting member is disposed outside the cylinder bed.

5. A sewing machine according to claim 3, wherein the rotation
25 limiting member is disposed inside the cylinder bed.

6. A sewing machine according to claim 1, further comprising
a pillar portion from which the cylinder bed extends horizontally,

wherein the cylinder bed is used for sewing a cylindrical work and formed into a cylindrical shape and has an inner void.

7. A sewing machine comprising:

- 5 a cylinder bed extending in a predetermined direction;
 a cloth holding frame for holding a work cloth;
 a moving member supporting the cloth holding frame and moved
in the predetermined direction;
 a moving member driving unit for driving the moving member
10 in the predetermined direction; and
 a guiding member provided in the cylinder bed for guiding
the moving member so that the moving member is moved in the
predetermined direction.

- 15 8. A sewing machine according to claim 7, wherein the cloth
holding frame is pivotally supported on the moving member.

9. A sewing machine according to claim 8, further comprising
a rotation limiting member for limiting rotation of the moving
20 member relative to the shuttle shaft.

10. A sewing machine according to claim 9, wherein the
rotation limiting member is disposed outside the cylinder bed.

- 25 11. A sewing machine according to claim 9, wherein the
rotation limiting member is disposed inside the cylinder bed.